

### Synonym

BLR1, CD185, MDR15

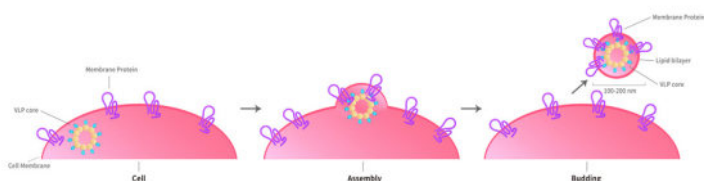
### Source

Human CXCR5 Full Length Protein-VLP(CX5-H52P4) is expressed from human 293 cells (HEK293). It contains AA Asn 2 - Phe 372 (Accession # [P32302-1](#) ).

Predicted N-terminus: Asp

### Molecular Characterization

Virus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening.



The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Formulation

*The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).*

Supplied as 0.2 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

### Shipping

*This product is supplied and shipped as sterile liquid solution with dry ice, please inquire the shipping cost.*

### Storage

*Please avoid repeated freeze-thaw cycles.*

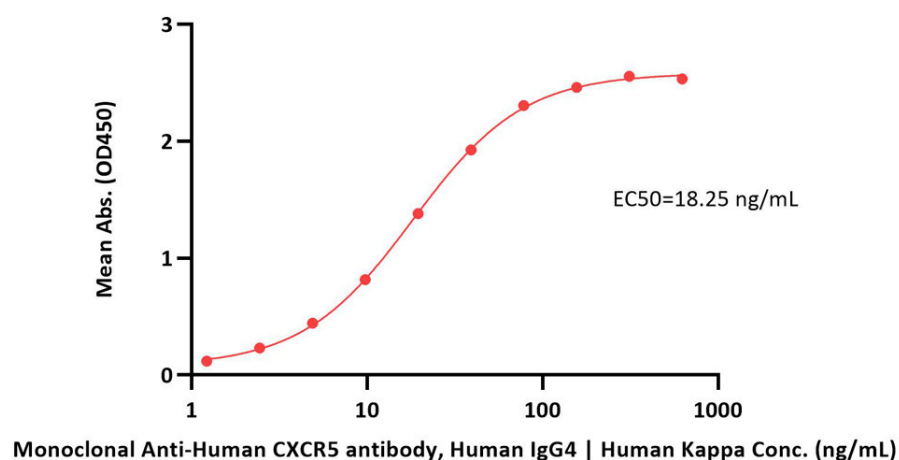
This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 24 months under sterile conditions.

\*The isotype control of empty/mock VLP (Cat. No. [VLP-N5213](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

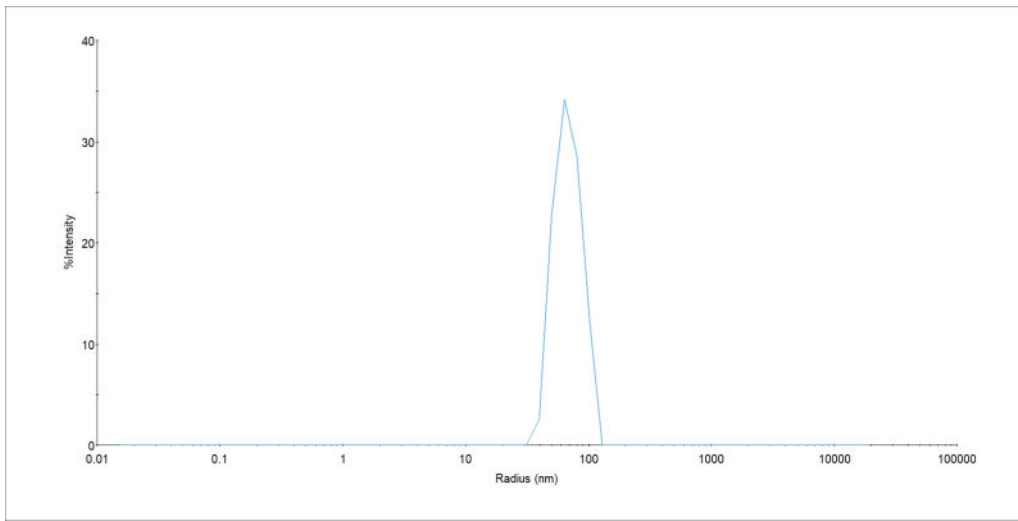
### Bioactivity-ELISA

Human CXCR5 Full Length Protein-VLP ELISA  
0.5 µg of Human CXCR5 Full Length Protein-VLP per well



Immobilized Human CXCR5 Full Length Protein-VLP (Cat. No. CX5-H52P4) at 5 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CXCR5 antibody, Human IgG4 | Human Kappa with a linear range of 1-78 ng/mL (QC tested).

### Identity-DLS



The mean peak Radius of VLP is 60-75 nm with more than 95% intensity as determined by dynamic light scattering (DLS).

## Background

This gene encodes a multi-pass membrane protein that belongs to the CXC chemokine receptor family. It is expressed in mature B-cells and Burkitts lymphoma. This cytokine receptor binds to B-lymphocyte chemoattractant (BLC), and is involved in B-cell migration into B-cell follicles of spleen and Peyer patches. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.